



Cost Reducing Material For 40mm Practice Cartridges



Christopher Summa
U.S. ARMY / ARDEC
40mm Grenades Special Projects

973-724-4666

christopher.summa@pica.army.mil

30 March 2006

EXHIBIT 74



Cost-Reducing Material Substitution

■ Conception of M385A1 One-Piece Projectile:

- Desire for integral rotating band
 - Aluminum projectile with integral band
 - Hard anodized aluminum rotating band may erode bore
 - Thermoplastic projectile with integral band
 - Commercial thermoplastic specific gravity too low to match to current projectile weight (245g)
 - Cannot obtain ballistic match

